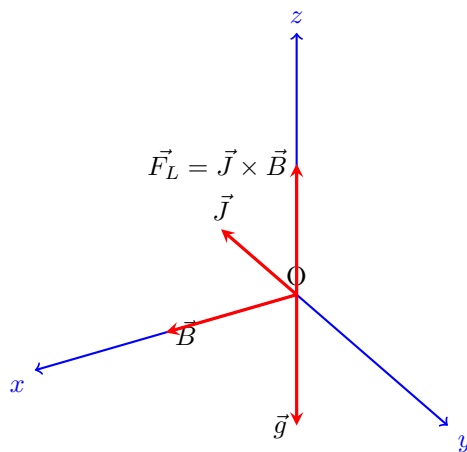
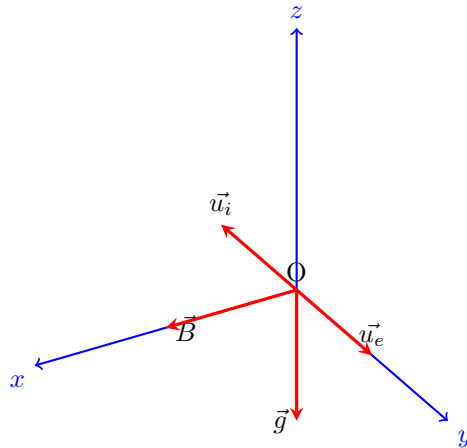


$$\vec{v}_f = \frac{1}{q} \frac{\vec{F} \times \vec{B}}{B^2} \quad (1)$$



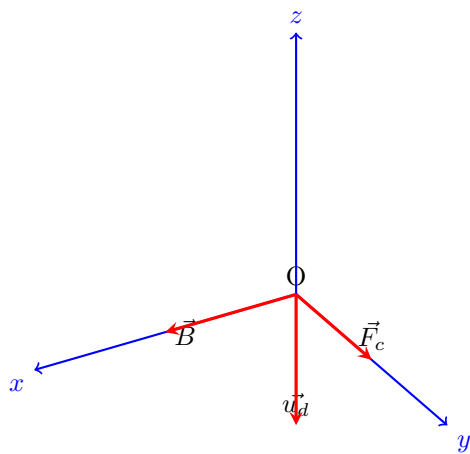
5 species: electrons, H ,  $H^+$  , He,  $He^+$

temperature and density constant?

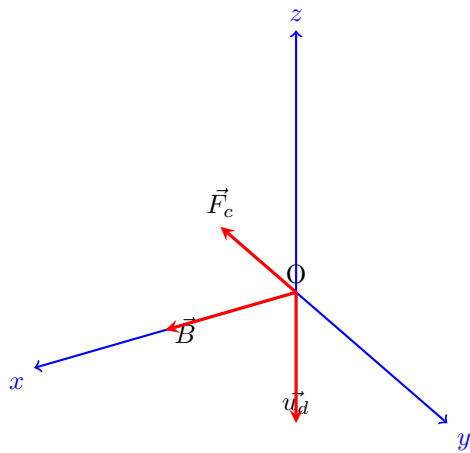
Horizontal drifts(for charges) increased by frictional forces which in this case sum to gravity (neutrals fall more quickly - vertical frictional force upward and for charges opposite)

Vertical drifts due to horizontal collisional forces:

Downwards ions ( $He^+$ ):



electrons:



Upwards : ions ( $H^+$ )

